

SPRINGFIELD FIRE DEPARTMENT ANNUAL REPORT 2018



Commission on
Fire Accreditation
International

The SFD is accredited through CPSE/CFAI

SFD
CITY OF
Springfield FIRE

MESSAGE FROM THE CHIEF

The City of Springfield Fire Department is a professional organization dedicated to serving our community. 2018 saw your Firefighters busy throughout our community; in our schools educating our children about fire safety, in our neighborhoods as a part of Project RED Zone providing smoke alarms and reducing the risk of fire, preparing for and responding to nearly 18,000 incidents, and more. 2018 saw the benefits of a supportive community with the arrival of the first fire apparatus funded through the Level Property Tax and the preparation for the addition of new Fire Station 13 on west College Street. The strength of our community is collaboration, and I wish to express my appreciation to all who have made

the department, our programs, and our community better and more safe because of your willing partnership.

On behalf of the Officers and Firefighters of the City of Springfield Fire Department, I am pleased to present the 2018 Annual Report.



David Pennington,
Fire Chief

SPRINGFIELD FIRE STATIONS

Station 1:

720 E. Grand
2018 Incidents: 2,821
Units: Engine 1, Rescue 1, Battalion 1
Personnel assigned: 10

Station 2:

608 W. Commercial
2018 Incidents: 2,334
Units: Engine 2, Truck 2
Personnel assigned: 9

Station 3:

205 N. Patterson
2018 Incidents: 1,085
Units: Truck 3
Personnel assigned: 5

Station 4:

2423 N Delaware
2018 Incidents: 2,262
Units: Engine 4, Rescue 4
Personnel assigned: 6

Station 5:

2750 W. Kearney
2018 Incidents: 1,319
Units: Engine 5
Personnel assigned: 4

Station 6:

2620 W. Battlefield
2018 Incidents: 720
Units: Engine 6
Personnel assigned: 4

Station 7:

2120 E. Sunshine
2018 Incidents: 1,024
Units: Engine 7
Personnel assigned: 4

Station 8:

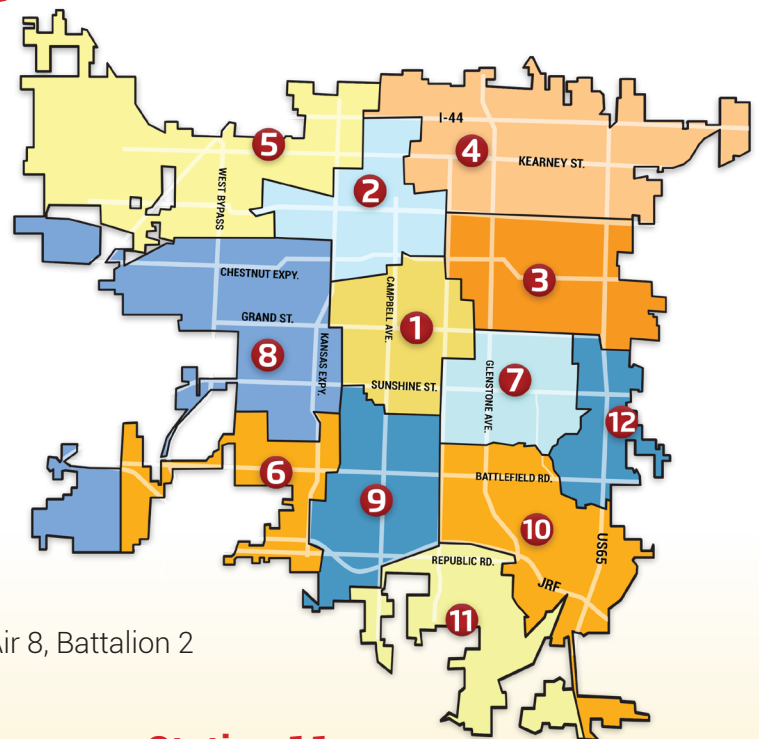
1405 S. Scenic
2018 Incidents: 2,203
Units: Engine 8, Truck 8, Air 8, Battalion 2
Personnel assigned: 10

Station 9:

450 W. Walnut Lawn
2018 Incidents: 1,597
Units: Truck 9
Personnel assigned: 4

Station 10:

2245 E. Galloway
2018 Incidents: 1,114
Units: Truck 10
Personnel assigned: 4



Station 11:

4940 S. Fremont
2018 Incidents: 619
Units: Engine 11
Personnel assigned: 4

Station 12:

2455 S. Blackman
2018 Incidents: 722
Units: Engine 12
Personnel assigned: 4

FIRE DEPARTMENT ADOPTS 2018 INTERNATIONAL FIRE CODE

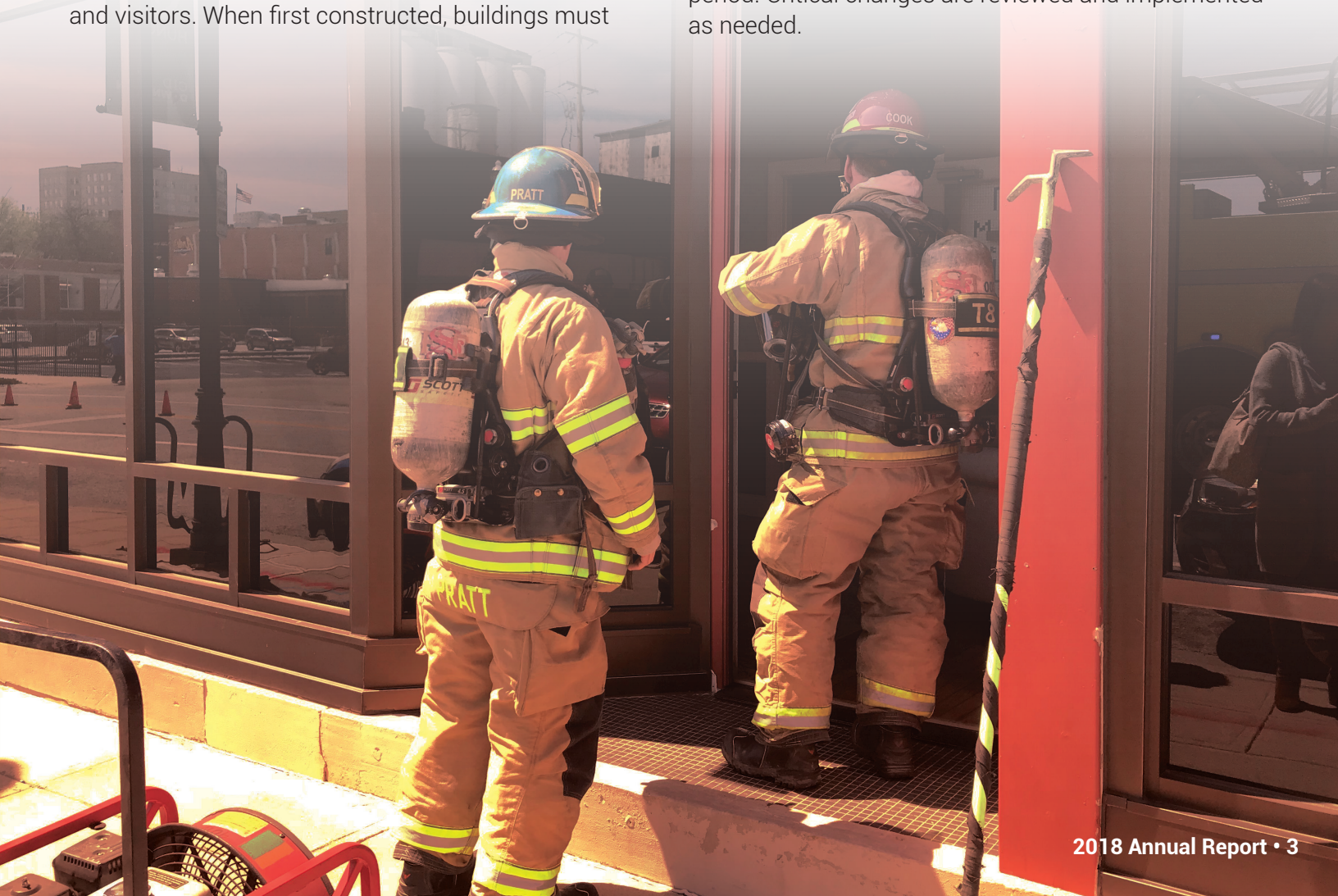
In July of 2018, the City and the Springfield Fire Department adopted the 2018 International Fire Code (IFC). The International Fire Code is a model document that addresses conditions hazardous to life and property from fire, explosion, handling or use of hazardous materials and the use and occupancy of buildings and premises. First adopted by the City in 2000, the fire department reviews and makes addendums specific to local conditions to best meet the City of Springfield's specific needs. The fire code is used by the fire department to ensure occupancies are built and maintained to provide a safe environment for citizens and visitors. When first constructed, buildings must



meet specific requirements for life saving fire protection systems like sprinkler and fire alarms, exiting, access and construction features.

The fire department and the Department of Building Development Services have collaborated to develop a fire protection plan reviewer position to ensure the code is applied properly to new and remodeled structures. The Fire and Life Safety Inspection Program periodically inspects existing occupancies to ensure they are maintained in the condition required by the fire code. The IFC is updated every three years, however the City of Springfield only adopts every other cycle, or every six years. This allows inspectors, builders and occupants

to operate under consistent regulations for a longer period. Critical changes are reviewed and implemented as needed.



EMERGENCY PREPAREDNESS & RESPONSE

NEW EQUIPMENT

The Springfield Fire Department made two major upgrades to training facilities in 2018. The first is the completion of the training tower. The new 44-foot-tall tower features numerous props, including a two-story building adjoined to the tower, cut props, standpipe, sprinklers, interior and exterior staircases. The tower is located on the training annex property and was completed early in 2018 at a cost of \$578,000. The funding was provided by the Level Property Tax.

The second major enhancement to the training facilities is a Dräger class-A burn facility (pictured below). The modified phase two facility was delivered in October, and features multiple burn rooms, a search maze and ventilation prop. The prop was purchased as a replacement for the Dräger flashover simulator, using cost savings from other capital projects.

2018 was a busy year for vehicle replacement and delivery. The department took delivery of two new apparatus and ordered two more. A new 100-foot Rosenbauer mid-mount aerial platform was put in service at Fire Station 2 replacing the 2001 Sutphen Aerial that was in service. The new aerial was delivered in July and placed in service later that month. The truck was funded as a capital expense at \$1.1 million. The second new vehicle was a custom light rescue vehicle built by Maintainer Custom Bodies. The light rescue was built on a Ford F550 chassis and replaced the aging International rescue assigned to Fire



Station 4. The new light rescue was purchased for \$190,000 in cost savings from the Aerial platform. A special thanks to Captain Daron Evans and Rescue Specialist Drew Rues for working as project liaisons for these purchases.

The department received funding and placed orders for a second Rosenbauer mid-mount aerial and a KME engine. For the first time, apparatus were purchased using established cooperative bid procedures. The hallmark change will allow for standardization in apparatus types and function.





TRAINING

The training division had significant growth and progress in 2018.

The four-story clean training tower went into service early in the year. This was a multiyear project that solidifies the training division's ability to offer training in multiple disciplines, as well as give new hire testing and training a permanent home to replace the training tower on South Campbell at old Fire Station 6. This training aid has been in constant use from the day it became available, by the Springfield Fire Department and surrounding departments, as well as by Springfield Police Department personnel.

After significant education of the training staff and instructor cadre, the Dräger burn building was used to host over 100 firefighters for live burn evolutions.

Surrounding the physical improvements completed and planned at the Training Center and Practical Training Annex is the renewed partnership with Ozarks Technical Community College (OTC). This partnership will expand the reach of fire department instructors beyond internal staff and continue to grow the educational and training opportunities of the surrounding areas.

2018 TRAINING HIGHLIGHTS

- **Clean training tower placed into service**
 - Continuous weekly training since it has gone into service and used by the City's Human Resources Department.
- **Burn Building**
 - Four burn sessions with over 100 participants from multiple departments.
- **Ozarks Technical Community College**
 - Renewed agreement with OTC.



HEALTH & SAFETY

A training update was provided for existing peer fitness staff and certification of new peer fitness trainers. The department revised the annual physical agility test into a functional mobility assessment that has been incorporated into the 2019 schedule, assessing all personnel for limitations, assisting with fitness goals and preventing injuries.

The department funded also and hosted IAFF peer support and mental health training, which resulted in 30 local peer support group members to meet the behavioral health needs of Springfield Fire Department staff and surrounding departments. This service has been active and in heavy use since the completion of the training.



BY THE NUMBERS

2018 SPRINGFIELD FIRE RESPONSE TIMES

STRUCTURE FIRES

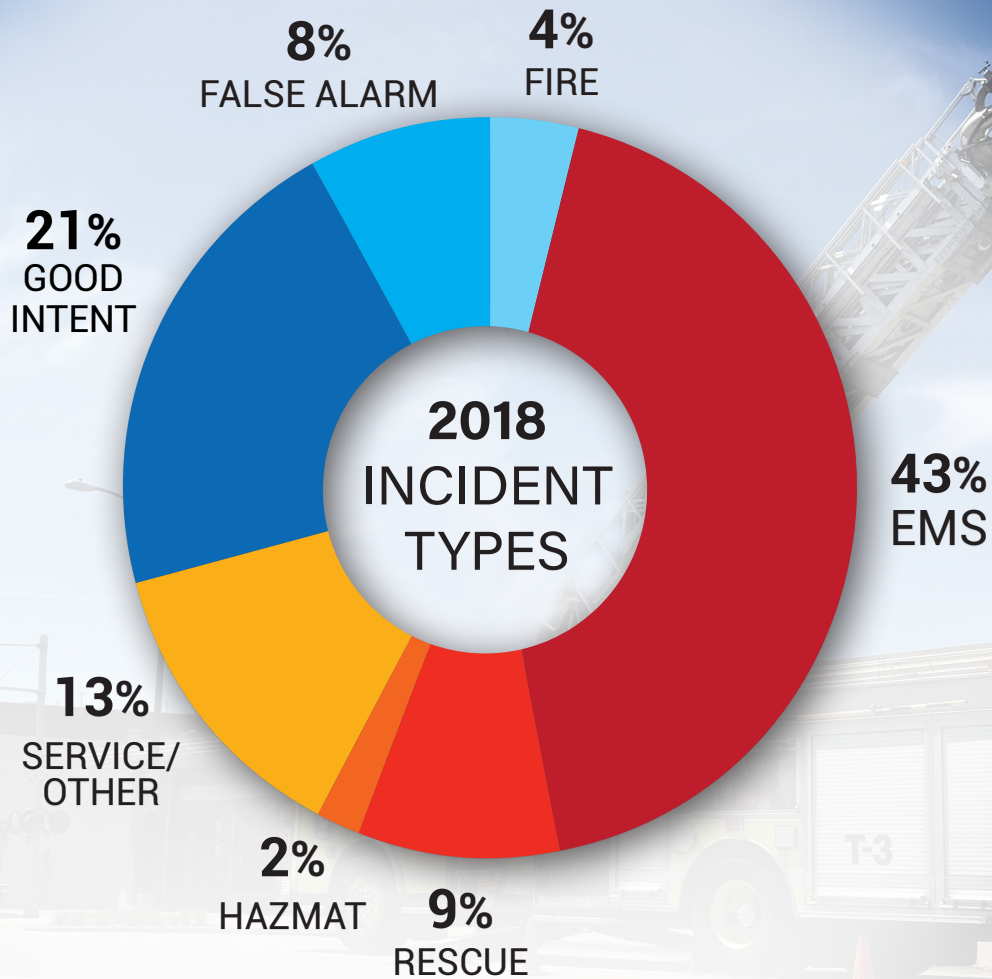
First Unit 7 min. 6 sec.
Effective Response Force 12 min. 6 sec.

EMERGENCY MEDICAL RESPONSE

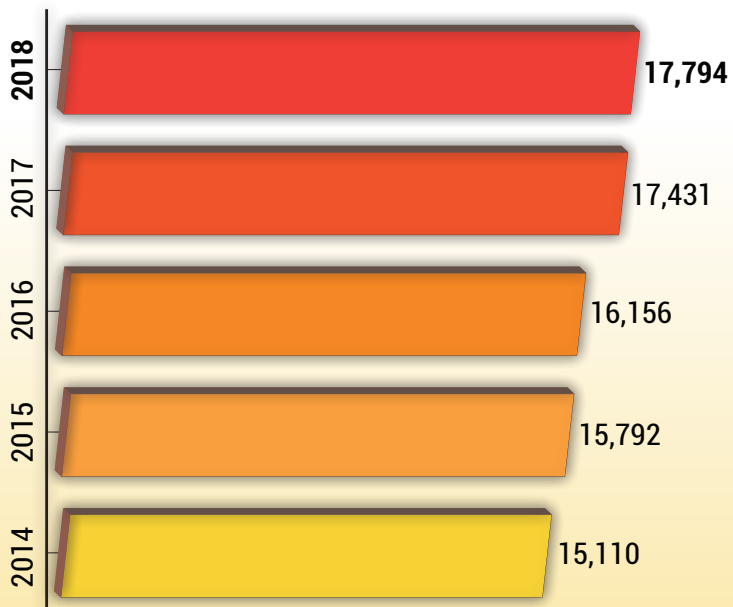
First Unit 7 min. 56 sec.

Response times are one way we measure quality of service.

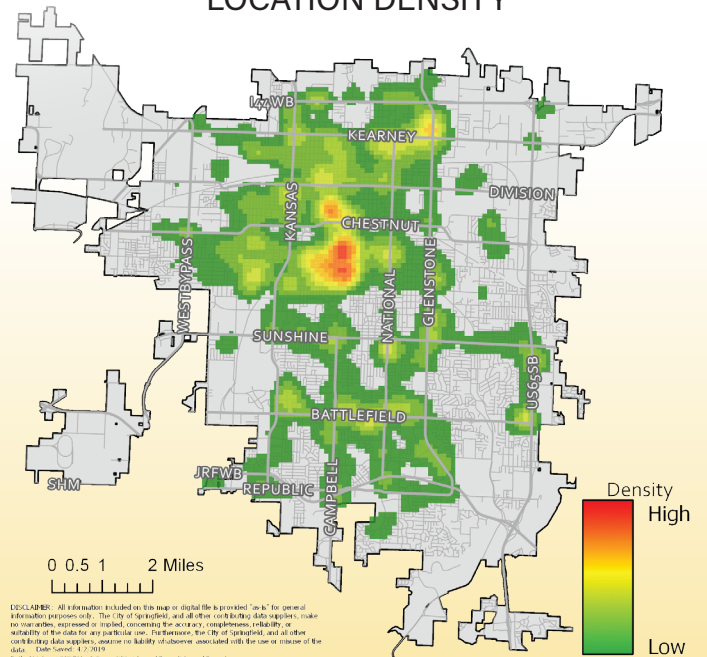
*First unit response time is how long it takes the primary apparatus to arrive at the scene after a call is made to 911.
Effective Response Force is how long it takes the minimum necessary fire apparatus and personal to arrive.*



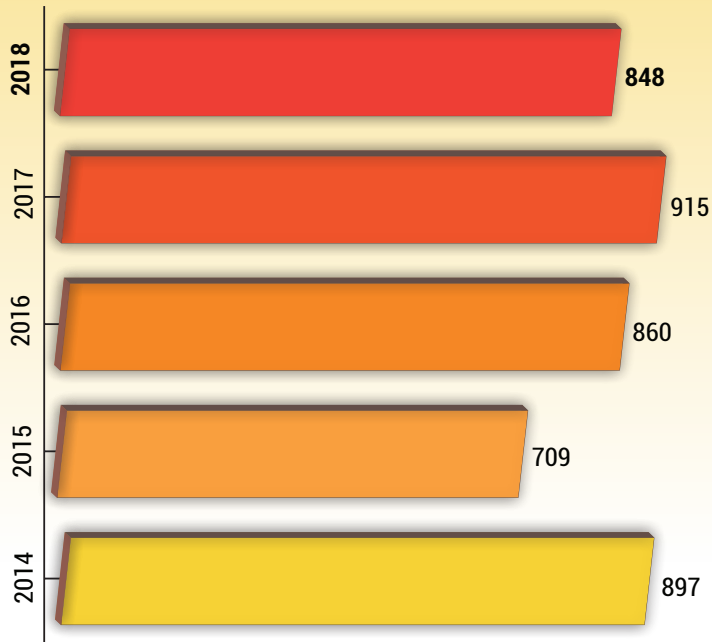
YEARLY CALLS FOR SERVICE COMPARISON



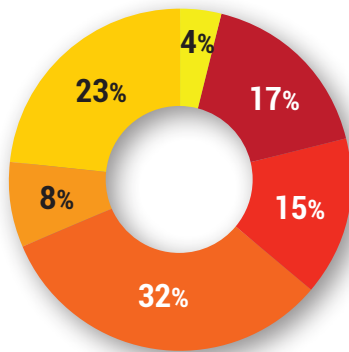
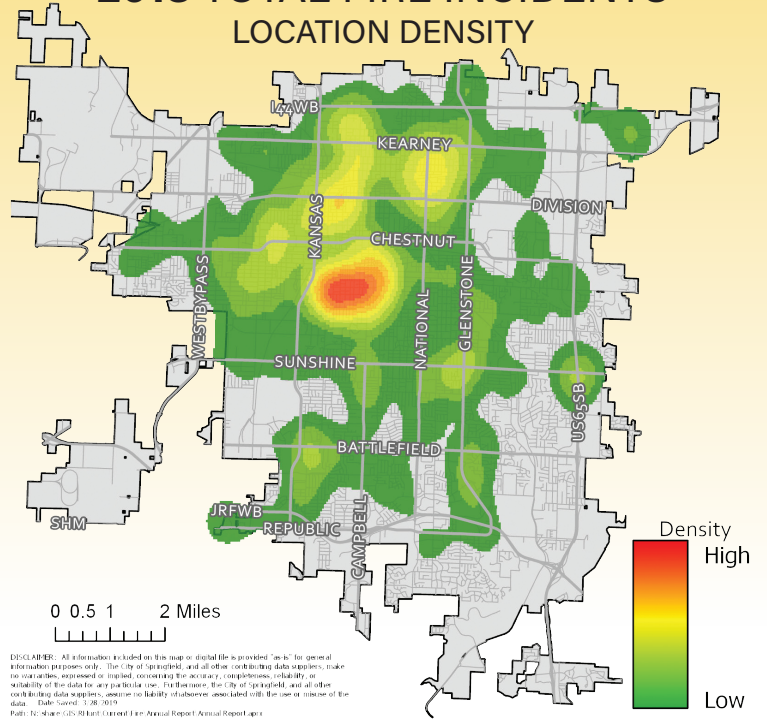
2018 CALLS FOR SERVICE LOCATION DENSITY



YEARLY FIRE INCIDENTS COMPARISON



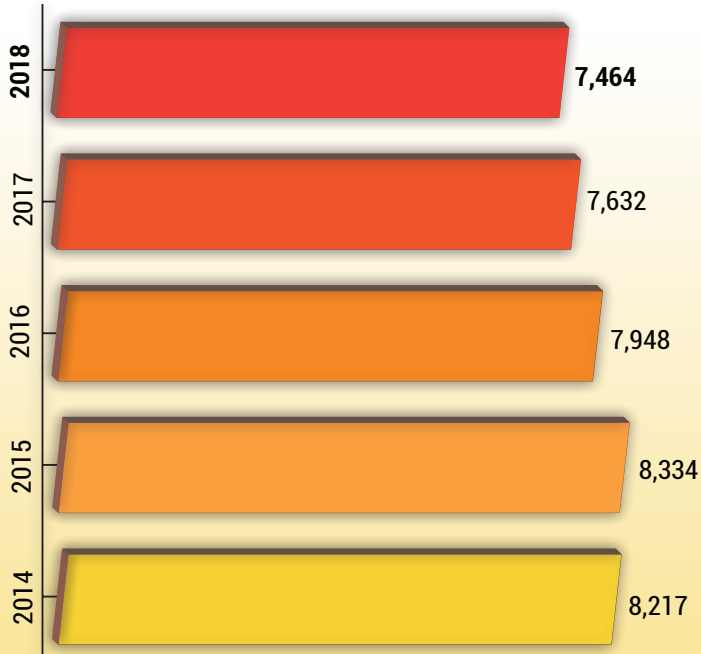
2018 TOTAL FIRE INCIDENTS LOCATION DENSITY



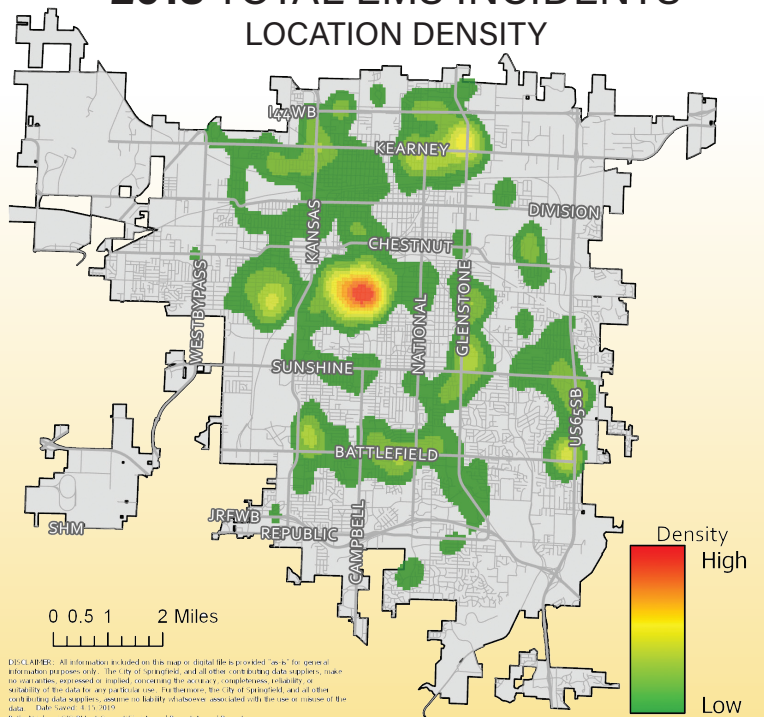
2018 CAUSES OF ACCIDENTAL RESIDENTIAL FIRES



YEARLY EMS INCIDENTS COMPARISON



2018 TOTAL EMS INCIDENTS LOCATION DENSITY



COMMUNITY ENGAGEMENT

SPRINGFIELD PUBLIC SCHOOLS COLLABORATION

The Springfield Fire Department has worked closely with Springfield Public Schools (SPS) for several years during the month of October to provide fire safety education from preschool through fifth grade.

Each summer, several fire stations across the City host over 1,000 first graders in the Superhero Camp EXPLORE program. Fire crews have participated in several elementary school reading programs, joined in back-to-school bashes and end-of-year field days and assisted with the scientific method using a ladder truck. The Fire Department's Community Risk Reduction Division (CRR) also provides hands-only CPR and fire safety classes to middle school and high school students during their health classes.

Fire marshals have worked in the high schools to provide learning opportunities related to forensic science in fire and explosion investigation. The CRR division has also been working with SPS in other areas as well. Fire marshals have also been working closely with SPS facilities personnel to conduct fire and life safety inspections of the 50-plus facilities that house students or are vital to their operations.

Ensuring that students are learning in safe structures is important to both partner agencies.



SPS administration and the fire department have also collaborated on making improvements to fire evacuation drills that are conducted in the schools. These efforts will improve how students and staff practice escaping the buildings in the case a fire occurs. Fire department administration has been developing plans for responses to schools and other public buildings during an active shooter event. SPS' safety and security has been taking an active role in the development of those plans and preparation for training in 2019.

Forty-two firefighter educators were in the classrooms of 39 Springfield private and public elementary schools teaching over 10,000 children during the month of October. Age-appropriate fire safety lesson plans were taught to students ranging from preschool through fifth grade. Each lesson complements the next lesson to create an incremental knowledge base on the fire safety messaging.

Students were given a survey for their guardian to fill out about working smoke alarms in the home. Over 2,600 smoke alarm surveys were returned to the fire department. From these surveys, 12 children were randomly chosen to receive a ride to school in a fire engine in December. Schools represented in the engine ride to school include; Sunshine, Bowerman, Hickory Hills, Fremont, Bissett, Jeffries, Pittman, Sherwood, Springfield Lutheran, Sequiota, Disney and Wilder.

An additional 16 preschools, (1,365 students and teachers) were visited by our fire crews from various stations during October. Total efforts for the month include 55 schools and 11,546 students and teachers!



MSU STAFF FIRE SAFETY TRAINING



In August 2018, the department partnered with Missouri State University Residence Life to provide a morning educational session on fire safety for 150 of their resident assistants, community assistants, hall directors and administrative staff. This program included a presentation on college safety in dormitories, fire extinguisher training, smoke simulation to practice evacuation drills, and ended the day with the live burn demonstration.



RIDE TO SCHOOL

Bissett Elementary kindergartner Jonathan got a ride to school in style. He was one of the 12 Springfield students who won a ride to school in a fire engine following Fire Prevention Month visits.



COMMUNITY RISK REDUCTION EFFORTS INCLUDE

- Project RED Zone
- Free smoke alarm program
- Safety presentations
- Youth Fire Intervention Program
- Home fire safety surveys
- Fire extinguisher training
- Compression-only CPR training
- Neighborhood involvement



441

COMMUNITY EVENTS
ATTENDED REACHING

33,217

PEOPLE

126

FIRE STATION TOURS
GIVEN REACHING

2,630

PEOPLE

2,831

TOTAL SMOKE ALARM
INSTALLATIONS



PROJECT RED ZONE

The Springfield Fire Department continues community outreach efforts with Project RED (Reduce, Educate, and Deliver) Zone aiming to reduce home fires, fire-related injuries and deaths. Fire crews typically canvass neighborhoods on Saturdays by going door-to-door to ensure that residents have properly working smoke alarms while visiting about fire safety. Fire crews check smoke alarms for age, functionality and dead batteries. The National Fire Protection Agency (NFPA) recommends that smoke alarms older than 10 years be replaced. If needed, fire crews will install new 10-year lithium battery-operated alarms. It is recommended that smoke alarms be installed in every sleeping room, outside each sleeping area and on every level of the home. According to the NFPA, properly working smoke alarms reduce the risk of dying in home fires nearly in half.

Fire crews have canvassed the following neighborhoods: Grant Beach, West Central, Heart of the Westside, Woodland Heights, Westside Community Betterment, Tom Watkins, Robberson and Doling Neighborhood. We will continue efforts by focusing more on Zone 2 during 2019. These community risk reduction efforts would not be possible without the support of our citizens and grants from the American Red Cross, Springfield Public Schools and Federal Emergency Management Agency.

Since the program's inception in April 2017, fire crews have accomplished the following:

installed
**2,246 smoke alarms and
642 batteries**

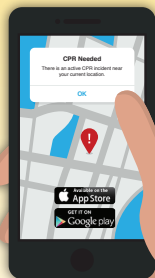
tested almost
4,200 smoke alarms

visited over
14,000 homes



PulsePoint

The Springfield Fire Department, in partnership with Mercy and CoxHealth, launched the PulsePoint app in September as part of their LifeSave Initiative. PulsePoint alerts CPR-trained bystanders to someone having sudden cardiac arrest. The notifications are activated by the local communications center simultaneously with the dispatch of fire and EMS. PulsePoint AED lets you update and report where AEDs are located. This enables CPR certified citizens and first responders to locate the nearest AED when a cardiac emergency occurs. The department offered four hands-only CPR classes at various times and stations throughout the month of October.



News conference to announce the launch of PulsePoint in the Springfield area Sept. 26, 2018.

"DON'T BE A DUMMY" PSAs

Another component of Project RED Zone is the "Don't Be a Dummy," campaign, which features a straight-talking Springfield firefighter who has a habit of catching residents engaging in unsafe behaviors. The firefighter is always reminding us that most fires in Springfield are caused by "smart people making dumb decisions," highlighting the fact that almost all home fires are preventable. The department released three PSAs in 2018 focusing on risky behaviors involving electrical outlets, cooking and smoking. To view these PSAs, visit the links below.



Electrical Fires are Preventable (overloading electrical outlets)



Cooking Fires are Preventable



Smoking Fires are Preventable (careless smoking)

STOP THE BLEED

The Springfield Fire Department partnered with several agencies including, CoxHealth, Mercy, Ozarks Technical Community College, Missouri State University and the Springfield Police Department on March 31, 2018 in a nationwide campaign to empower individuals to act quickly to save lives. A person who is bleeding can die from blood loss within five minutes if it is not stopped. A free Stop the Bleed course was offered at Ozarks Technical Community College to offer hands-on training in hemorrhage control (uncontrolled life-threatening bleeding) techniques to include use of tourniquets and wound packing.



GREASE FIRE DEMONSTRATION

Cooking-related fires are the No. 1 cause of house fires and fire-related injuries in Springfield. Often, injuries are caused and damage worsened by the occupant's inappropriate response to these types of fires. The Springfield Fire Department held a safety demonstration in November 2018 to show how to properly extinguish a cooking-related fire. A video of the demonstration can be viewed at vimeo.com/300856341.



Fire Marshal Ben Basham demonstrates how NOT to extinguish a grease fire.



SPRINGFIELD FIRE DEPARTMENT'S



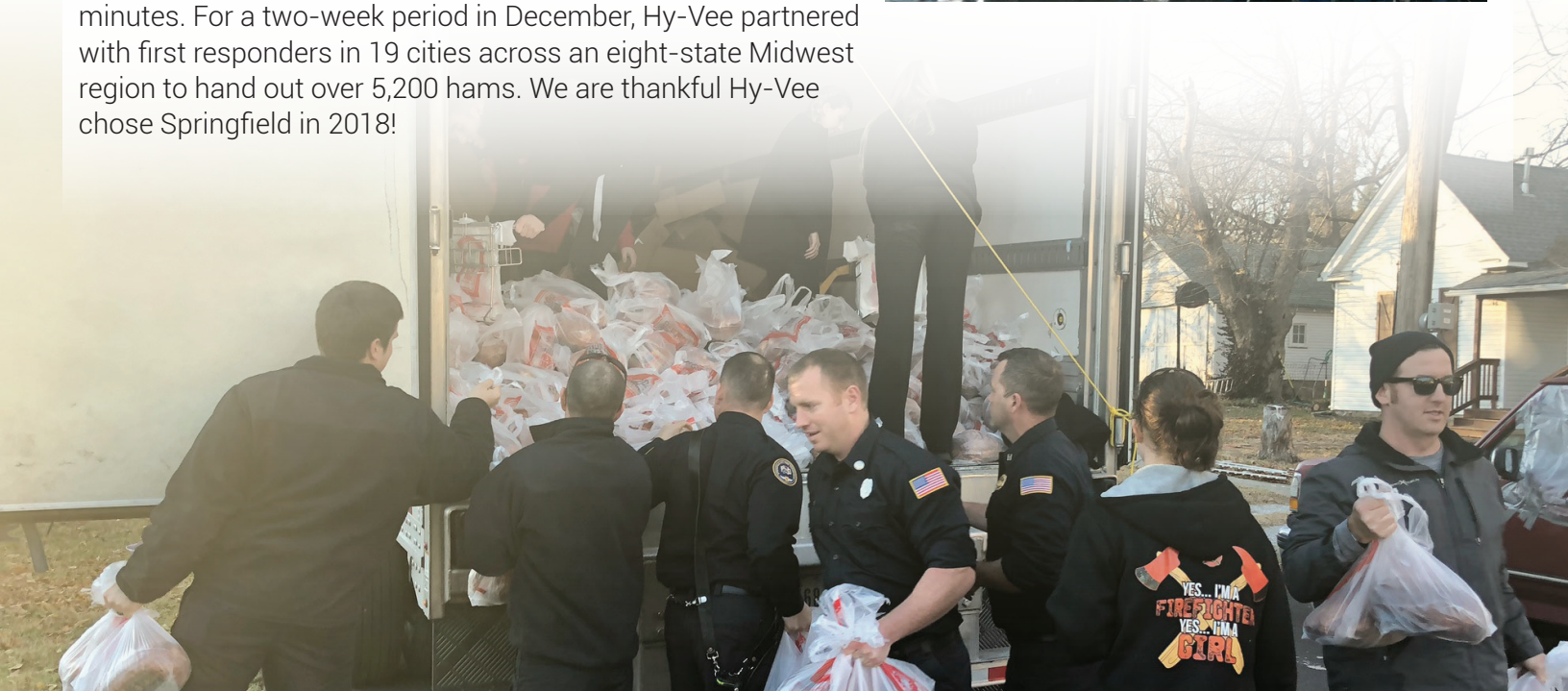
SECOND ANNUAL TRUCK OR TREAT

The second annual Truck or Treat was held at Fire Station 8 on Oct. 25, 2018 in partnership with the Springfield-Greene County Park Board. More than 1,500 attendees and community partners, including Springfield Safe Kids, Parents as Teachers, Springfield-Greene County Health Department and Public Works braved the cold, rainy evening. Families visited with firefighters, looked at fire equipment, painted almost 600 pumpkins, played games and, of course, enjoyed some candy!



HY-VEE HAM GIVE-AWAY

Hy-Vee invited the Springfield Fire Department to be part of their second annual Hams for the Holidays campaign on Dec. 15, 2018. Our firefighters handed out 300 Hormel® Cure 81 with staff from Hy-Vee and The Northwest Project at the Fairbanks to families in need. All 300 hams were distributed within 30 minutes. For a two-week period in December, Hy-Vee partnered with first responders in 19 cities across an eight-state Midwest region to hand out over 5,200 hams. We are thankful Hy-Vee chose Springfield in 2018!



COMMUNITY PARTNERSHIPS

We are thankful for our community partners who work with us every day to make Springfield a safer city. Here are just a few of the highlights in partnership that connect us with our community friends:

Springfield Public Schools:

- **Elementary EXPLORE Program:** 1,200 first graders attended Superhero Camps and toured fire stations around the city to learn directly from our firefighters about fire safety.
- **Hands-Only CPR and Fire Safety Classes:** Firefighter educators taught life-saving skills to SPS middle and high school health classes.
- **Bissett Elementary Reading Program:** Firefighters read books to elementary students (K-5) and discussed the importance of reading in their own jobs.
- **Weaver Elementary Science Project:** Using the scientific method and a ladder truck, fifth grade students had a unique science experience.
- **SPS High Schools:** Fire marshals taught forensics students about fire investigations.

National/Neighborhood Night Out: Attended neighborhood night out events across the city in the summer and fall to support our local neighborhoods. A city-wide event was held in Nichols Park, and Fire and Police battled it out in an evening softball game.

Neighborhood Association Meetings: Attended 53 neighborhood association meetings in 2018. Discussed fire data within neighborhoods, relayed fire safety tips, and answered questions from the community.

Big Rig Night: Partnered with Parents as Teachers at the Battlefield Mall to show children various big trucks.



Victory Mission Holiday Baskets: Partnered with Victory Mission to deliver 27 holiday baskets to families in need.

DAG Picnic at Phelps Grove: Collaborated with the Deaf Awareness Group of Southwest Missouri on their annual fall picnic. Children visited with our firefighters from Fire Station 1 and toured the engine.

Ozark Empire Fair: Visited with attendees, discussed fire safety messaging and gathered smoke alarm requests.

Midtown 4th of July, Labor Day and Downtown Christmas Parades: Present were the SFD Color Guard and a fire apparatus.

Shop with a Hero: In December, firefighters shopped with children in need at various Walmart locations throughout the city. Program funded through Walmart.

Several other events including Aaron Goddard Memorial Blood Drive, Farmer's Market of the Ozarks, back-to-school bashes, MSU Homecoming, Springfield Symphony, MADD event.



2018 DEPARTMENT YEARBOOK

ADMINISTRATION

David Pennington, Fire Chief
Sherree Sanders
Debbie Lawrence

SUPPORT SERVICES

AC Olan Morelan
Glenda Freise

COMMUNITY RISK REDUCTION

DC Kevin Trogdon
Krislyn Wright
FM Ben Basham
FM Lucas Bollinger
FM Mark Epps
FM Kevin Fox
Heather Parker
FM Bill Spence

TRAINING

BC Kelly Cardin
Cpt. Justin Merritt
Cpt. Steve Sweaney
Cpt. Ben Houston

FLEET SERVICES

Clint Brandon
Marcus Euliss

OPERATIONS

AC Bryan Newberry
Amanda Jones
BC Heith Aldridge
BC Brian Athen
BC Alex Clark
BC Scott Jones
BC Eric Latimer
BC Steve Stinnett

David Alday
Tim Allen
James Anderson
Garrett Annin
Cpt. Kelly Ash
Scott Atkins
Anthony Barber
Cpt. Thomas Beckenholdt
Marc Becker
Ryan Blum
Jordan Bock
Cpt. Jason Bogema
Joshua Bowling
Ryan Bowling

Joshua Bravestone
Chad Bright
Nolan Bright
Michael Burger
Cpt. James Burton
Jeffrey Butler
Curtis Cantrell
Joseph Carlo
Andrew Carney
Cpt. Jeffrey Carroll
Adam Carter
Doug Chadwell
Joshua Chambers
Joel Champ
Matthew Cobban
Cpt. David Cook
Michael Cook
William Cook
Jeramee Cooper
Cody Couffer
Brent Cox
Brian Davis
Cpt. Chad Davis
Jeremy Davis
Jason Davis
Ryan Davis
Brittney Day
Jason Dean
Cpt. Scott Deckard
Mark Delozier
Cpt. Joseph Doza
Bradley Dutoit
David Easter
David Eckman
Jeffrey Elliot
Cpt. Matt Engel
Zachary Enokido
Cpt. Daron Evans
Gareth Evans
Daniel Eveler
Brian Fick
Tony Fields
Cpt. James Frieze
Lt. Chris Gardner
Cpt. Timothy Gerkey
Brandon Graff
William Gregory
Cpt. John Grier
Joel Grieshaber
Cpt. Lee Grover
Scott Guccione
Cpt. Uli Gulje
Dustin Hall
Geoffrey Hammer

Lt. Russell Hargrave
Lt. Nicholas Hartman
Tad Harvill
Jacob Heithaus
Zachary Helwig
Timothy Hendrix
Joshua Henson
Jubal Hicks
Cpt. David Hightower
Dana Hilton
Alex Hodge
Michael Hosteny
Cpt. Ryan Howard
Cpt. Clint Hunt
Arturo Ibarra
Andy Iorg
Sean Jackson
Joshua Johnson
Jones, Bradley
Eric Jones
Justine Kahn
Devin Keeney
Michael Keim
Garrett Keith
Will Kelb
Zachary Keller
Cpt. Tony Kelley
Derek Kelly
Keith Kenyeri
Jacob Kerr
Cpt. Christopher Koester
Michael Kuss
Scott Lambeth
Kyle LaWall
Seth Letterman
Aaron Lile
Lt. JB Lilley
John Lindquist
Cpt. Jay Lisenby
Matthew Lyon
Luke McBride
Lt. Jason McCormick
Thomas McCoy
Kip McCubbin
Steven McMurray
Garrett Maggard
Christopher Mann
Lennis Marcotte Jr.
Adam Mariage
Andrew Mariage
Jeffrey Martin
Dustin Matney
Cpt. Darin Miller
David Mills

Lt. Travis Morrissey
Joseph Myers
Bradley Nelson
Tyler Nevins
John Nickelson
Garrett Olson
Frank Oswald
Hank Owen
Scott Owens
Jeffrey Owings
Lt. David Park
Ryan Pearman
Casey Perryman
Tanner Pesek
Kyle Peterson
Cpt. Mark Phillips
Tyler Pool
Brett Powell
Kurt Priebe
Cpt. Jeffrey Prior
Luke Proffitt
Kody Rein
Jose Reyes
Marcia Robinson-O'Connor
Cpt. Eric Roepke
Cpt. Phillip Rolewicz
Cpt. Christopher Roush
Aaron Roy
Andrew Rues
Zachery Russell
Nathaniel Sanderson
Jerome (JD) Schiman
Cpt. Craig Schmucker
Garrett Sebert
Zachary Schmidt
Daniel Sexton
Steven Sharp
Thomas Shaw
Cpt. Don Sheppard
Jerry Skinner
Cpt. Brian Smithson
Cpt. Brandon Snider
Daniel Speights
Brian Stark
Lonnie Stockdale
Jason Strong
Chad Sullivan
Micah Tannery
Jordan Tate
Cpt. Kristopher Tate
Kenny Terrell
Brian Thompson
Spencer Thompson
Richard Tracy

Daniel Tscherny
Matthew Tucker
Levi Ulmer
Ryan Ursino
John VanGorkom
Lt. Benjamin Wahl
Nathan Waltz
Jeremy Weeks
Lt. Jason Wells
Tanner Westerfield
Cpt. Jason Williams
Trevor Williams
Marcus Winstead
Jerry Witt
Cpt. Aaron Wood
Bradyle Wormington
Justin Wortham
Brady Yates
Ryan Zinter

2018 FIRE ACADEMY

Tyler Buchanan
Corbin Burris
Kaylee Cobb
Dermott Evans
James Garland
Jeremy Gohl
Christopher Keim
Nathaniel Nevels
Nolan Parker
Noah Pratt
Christopher Risenhoover
Tyler Thornhill
Isaac Weber

RETIRED

Todd Williams
Ronald Powell
Eric Wester
Christopher B. Connell
David Carter
Gregory C. Rhodes
James Hattan
Willis King
Lane Walden
Chris Ackley

LEFT SERVICE

Cody Jackson
Justin Moore
Matt Fields
Zachary Brooks



CITY OF
SpringfieldFIRE

SPRINGFIELD FIRE DEPARTMENT MISSION

*We are the Springfield Fire Department,
a professional organization dedicated
to serving our community.*

SPRINGFIELD FIRE DEPARTMENT VALUES

PROFESSIONALISM

INTEGRITY

COMPASSION

DEDICATION

COURAGE



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